For Research Use Only

TIGAR Recombinant antibody, PBS Only (Capture)

Catalog Number:85052-4-PBS

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Antibodies | ELISA kits | Proteins
Uni-rAb
www.ptglab.com

Basic Information

Catalog Number:
85052-4-PBS

Size:
100ug , Concentration: 1 mg/ml by Nanodrop;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG17532

GenBank Accession Number:
BC012340

GeneID (NCBI):
57103

UNIPROT ID:
Q9NQ88

Full Name:
chromosome 12 open reading frame 5

Calculated MW:
270 aa, 30 kDa

Observed MW:
30 kDa

Purification Method:
Protein A purification

CloneNo.:
242625E7

Applications

Tested Applications:
WB, Cytometric bead array, Indirect ELISA

Species Specificity:
human

Product Information

85052-4-PBS targets TIGAR as part of a matched antibody pair:

MP01803-2: 85052-4-PBS capture and 85052-3-PBS detection (validated in Cytometric bead array)

Unconjugated rabbit recombinant monoclonal antibody in PBS only (BSA and azide free) storage buffer at a concentration of 1 mg/mL, ready for conjugation. Created using Proteintech's proprietary in-house recombinant technology. Recombinant production enables unrivalled batch-to-batch consistency, easy scale-up, and future security of supply.

This conjugation ready format makes antibodies ideal for use in many applications including: ELISAs, multiplex assays requiring matched pairs, mass cytometry, and multiplex imaging applications.Antibody use should be optimized by the end user for each application and assay.

Background Information

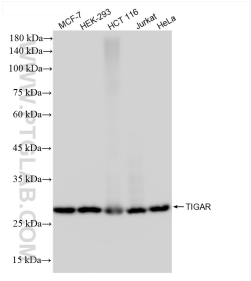
The TP53-induced glycolysis and apoptosis regulator (TIGAR), first reported in 2006, is a downstream target gene of p53 and an important factor involved in glycolysis and apoptosis . It is indispensable in metabolism and is involved in metabolic syndrome, including hyperglycemia, insulin resistance, alcoholic fatty liver and tissue ischemia. TIGAR is highly expressed in many cancer cells to promote cell survival.

Storage

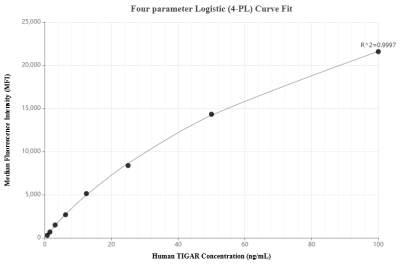
Storage:
Store at -80°C.
Storage Buffer:
PBS only

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

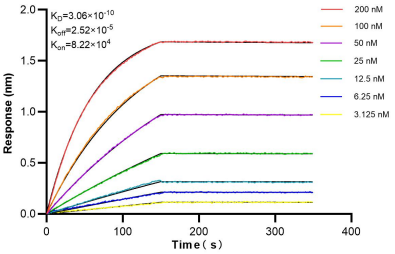
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 85052-4-RR (TIGAR antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 85052-4-PBS in a different storage buffer formulation.



Cytometric bead array standard curve of MP01803-2, TIGAR Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 85052-4-PBS. Detection antibody: 85052-3-PBS. Standard: Ag17532. Range: 0.781-100 ng/mL.



Biolayer interferometry (BLI) kinetic assays of 85052-4-RR against Human TIGAR were performed. The affinity constant is 0.308 nM.